Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/06/2021 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124493	-1	2.47	124422	2.45
Blue	F	SSC	125000	123719	-2	3.17	124167	3.22
Blue	E	FITC	13131	12612	-4	3.36	289	15.34
Blue	D	PE	24112	23546	-3	3.02	538	11.01
Blue	B	PerCP-Cy5-5	31295	30909	-2	3.94	1018	14.97
Blue	A	PE-Cy7	19939	19767	-1	6.06	528	29.25
Red	C	APC	42122	41850	-1	2.83	1756	11.22
Red	A	APC-Cy7	22340	21786	-3	3.12	815	11.68
Violet	B	V450	7410	7173	-4	3.43	435	12.33
Violet	A	V500	28118	27512	-3	2.94	688	9.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22595	2.68	580	11	N/A	N/A	Pass
Blue	F	SSC	57458	2.38	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0478	174	Pass
Blue	D	PE	114	37.07	488	0	0.4337	330	Pass
Blue	B	PerCP-Cy5-5	189	35.67	586	0	0.0190	32	Pass
Blue	A	PE-Cy7	105	68.12	629	1	0.0221	1	Pass
Red	C	APC	405	23.96	579	3	0.0291	224	Pass
Red	A	APC-Cy7	182	27.05	554	3	0.0061	743	Pass
Violet	B	V450	61	60.76	459	6	0.0588	1942	Pass
Violet	A	V500	98	34.8	471	6	0.0264	945	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.51	-31.26	1.01
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.32	13.60 - 20.40	N/A	N/A	29.67	29.92	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 15617

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments